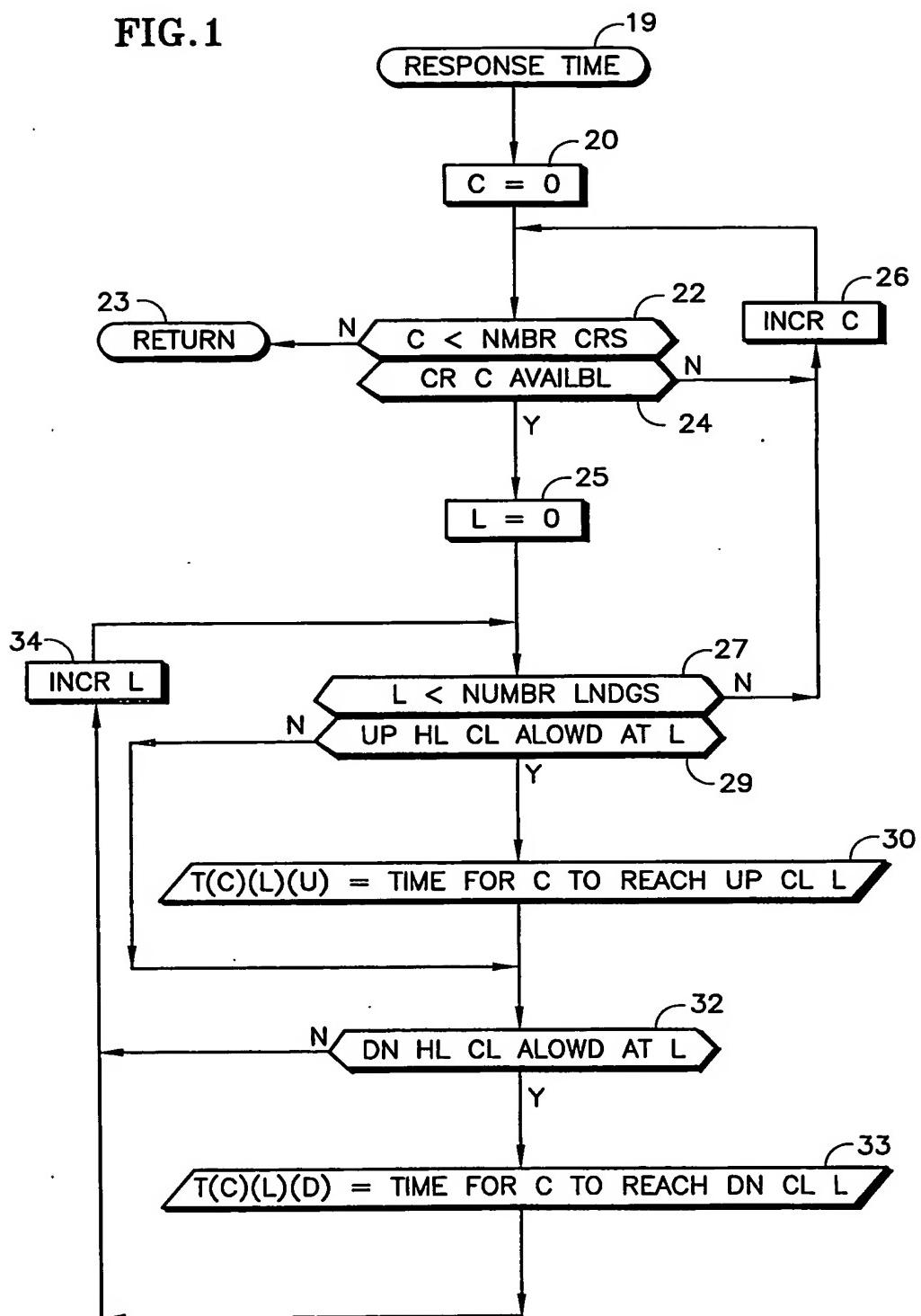


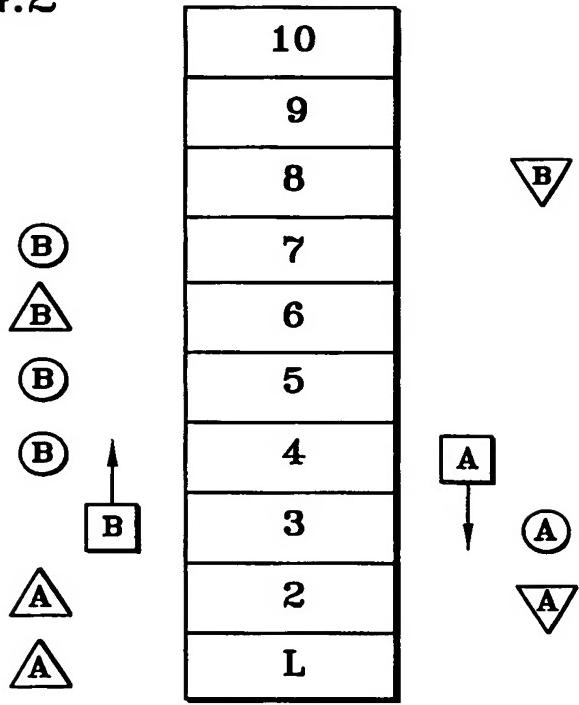
1/7

FIG.1



2/7

FIG.2



ELEVATOR

NO CALL, CAR MUST PASS

UP CALL, ASSIGNED

DN CALL, ASSIGNED

(NO DEMAND ABOVE L = 8)

3/7

FIG.3 CAR A

| LOCATION | EXISTING DEMAND | TIME AT FLOOR   | CUMULATIVE TIME |
|----------|-----------------|-----------------|-----------------|
| 4 DN     | NONE            | 0(CAR AT FLOOR) | 0               |
| 3 DN     | CC              | 1 SEC.+10 SEC.  | 11 SEC.         |
| 2 DN     | CC,HC           | 1 SEC.+11 SEC.  | 23 SEC.         |
| LOBBY    | HC              | 1 SEC.+11 SEC.  | 35 SEC.         |
| 2 UP     | HC              | 1 SEC.+11 SEC.  | 47 SEC.         |
| 3 UP     | NONE            | 1 SEC.          | 48 SEC.         |
| 4 UP     | NONE            | 1 SEC.          | 49 SEC.         |
| 5 UP     | NONE            | 1 SEC.          | 50 SEC.         |
| 6 UP     | NONE            | 1 SEC.          | 51 SEC.         |
| 7 UP     | NONE            | 1 SEC.          | 52 SEC.         |
| 8 UP     | NONE            | 1 SEC.          | 53 SEC.         |
| 9 UP     | NONE            | 1 SEC.          | 54 SEC.         |
| 10 DN    | NONE            | 1 SEC.          | 55 SEC.         |
| 9 DN     | NONE            | 1 SEC.          | 56 SEC.         |
| 8 DN     | NONE            | 1 SEC.          | 57 SEC.         |
| 7 DN     | NONE            | 1 SEC.          | 58 SEC.         |
| 6 DN     | NONE            | 1 SEC.          | 59 SEC.         |
| 5 DN     | NONE            | 1 SEC.          | 60 SEC.         |

FIG.4 CAR B

| LOCATION | EXISTING DEMAND | TIME AT FLOOR   | CUMULATIVE TIME |
|----------|-----------------|-----------------|-----------------|
| 3 UP     | NONE            | 0(CAR AT FLOOR) | 0               |
| 4 UP     | CC              | 1 SEC.+10 SEC.  | 11 SEC.         |
| 5 UP     | CC              | 1 SEC.+10 SEC.  | 22 SEC.         |
| 6 UP     | HC              | 1 SEC.+11 SEC.  | 34 SEC.         |
| 7 UP     | CC              | 1 SEC.+10 SEC.  | 45 SEC.         |
| 8 UP     | NONE            | 1 SEC.          | 46 SEC.         |
| 9 UP     | NONE            | 1 SEC.          | 47 SEC.         |
| 10 DN    | NONE            | 1 SEC.          | 48 SEC.         |
| 9 DN     | NONE            | 1 SEC.          | 49 SEC.         |
| 8 DN     | HC              | 1 SEC.+11 SEC.  | 61 SEC.         |
| 7 DN     | NONE            | 1 SEC.          | 62 SEC.         |
| 6 DN     | NONE            | 1 SEC.          | 63 SEC.         |
| 5 DN     | NONE            | 1 SEC.          | 64 SEC.         |
| 4 DN     | NONE            | 1 SEC.          | 65 SEC.         |
| 3 DN     | NONE            | 1 SEC.          | 66 SEC.         |
| 2 DN     | NONE            | 1 SEC.          | 67 SEC.         |
| LOBBY    | NONE            | 1 SEC.          | 68 SEC.         |
| 2 UP     | NONE            | 1 SEC.          | 69 SEC.         |

4/7

FIG.5

| LOCATION | CAR A | CAR B | MINIMUM | CATEGORY |
|----------|-------|-------|---------|----------|
| LOBY     | 35    | 68    | 35      | 2        |
| 2 UP     | 47    | 69    | 47      | 3        |
| 3 UP     | 48    | 0     | 0       | 1        |
| 4 UP     | 49    | 11    | 11      | 1        |
| 5 UP     | 50    | 22    | 22      | 1        |
| 6 UP     | 51    | 34    | 34      | 2        |
| 7 UP     | 52    | 45    | 45      | 3        |
| 8 UP     | 53    | 46    | 46      | 3        |
| 9 UP     | 54    | 47    | 47      | 3        |
| 10 DN    | 55    | 48    | 48      | 3        |
| 9 DN     | 56    | 49    | 49      | 3        |
| 8 DN     | 57    | 61    | 57      | 3        |
| 7 DN     | 58    | 62    | 58      | 3        |
| 6 DN     | 59    | 63    | 59      | 3        |
| 5 DN     | 60    | 64    | 60      | 4        |
| 4 DN     | 0     | 65    | 0       | 1        |
| 3 DN     | 11    | 66    | 11      | 1        |
| 2 DN     | 23    | 67    | 23      | 1        |

FIG.6

| ← | CATEGORY        | COUNT |
|---|-----------------|-------|
| 1 | 0-29 SECONDS    | 6     |
| 2 | 30-44 SECONDS   | 2     |
| 3 | 45-59 SECONDS   | 9     |
| 4 | 60-89 SECONDS   | 1     |
| 5 | OVER 90 SECONDS | 0     |

5/7

FIG.7

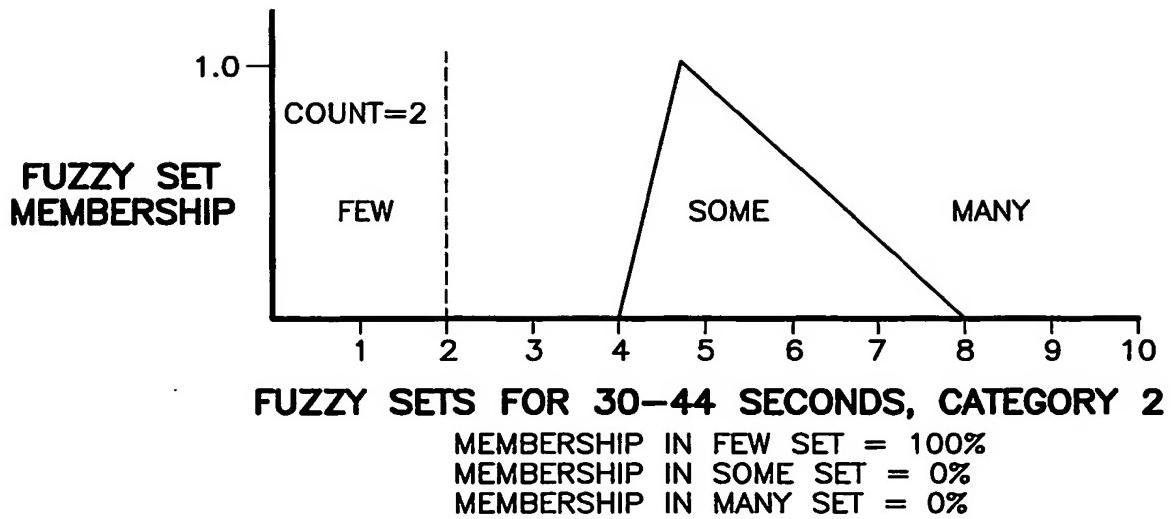
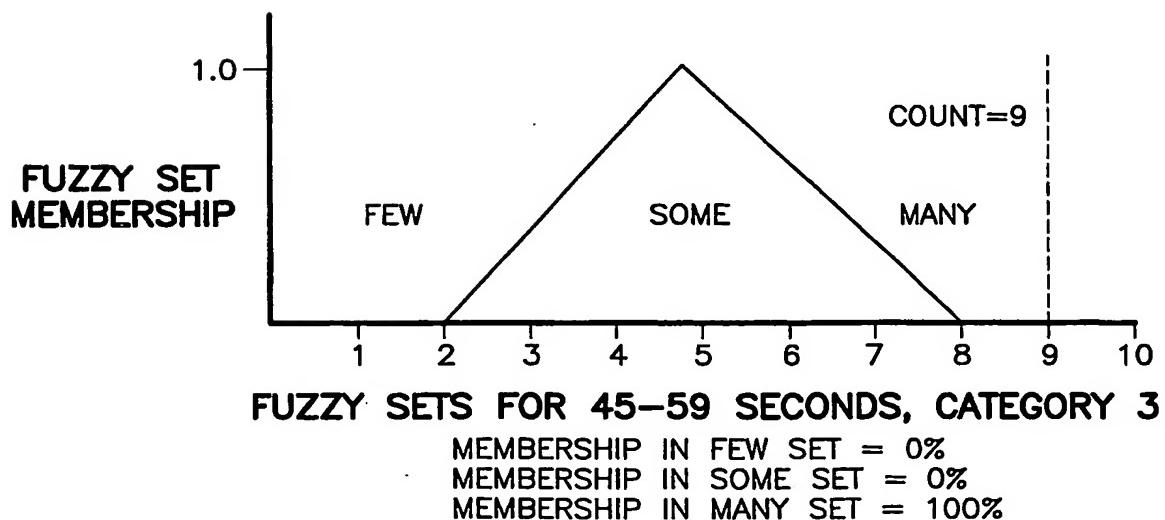


FIG.8



6/7

FIG.9

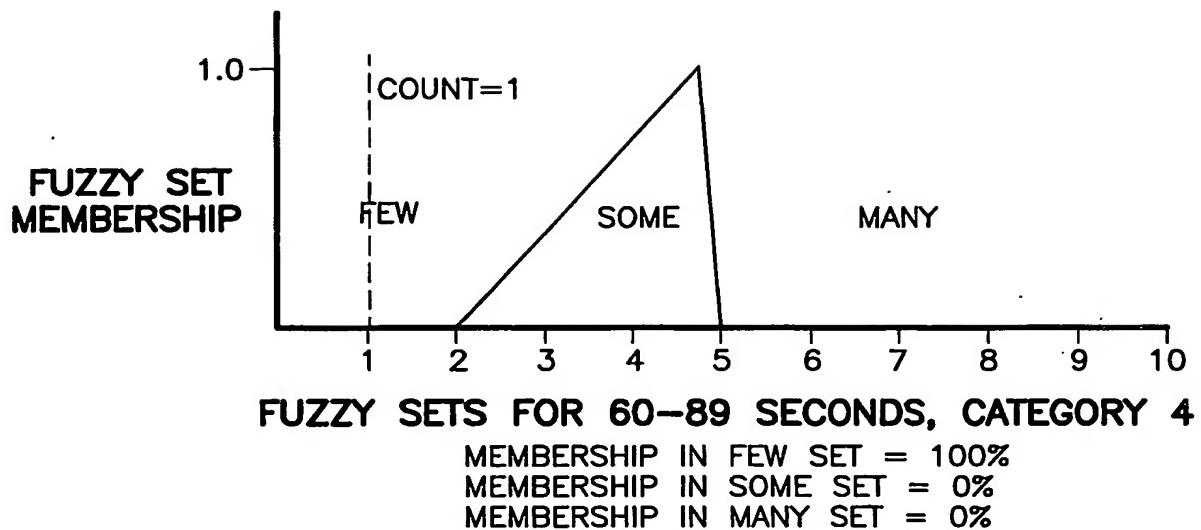
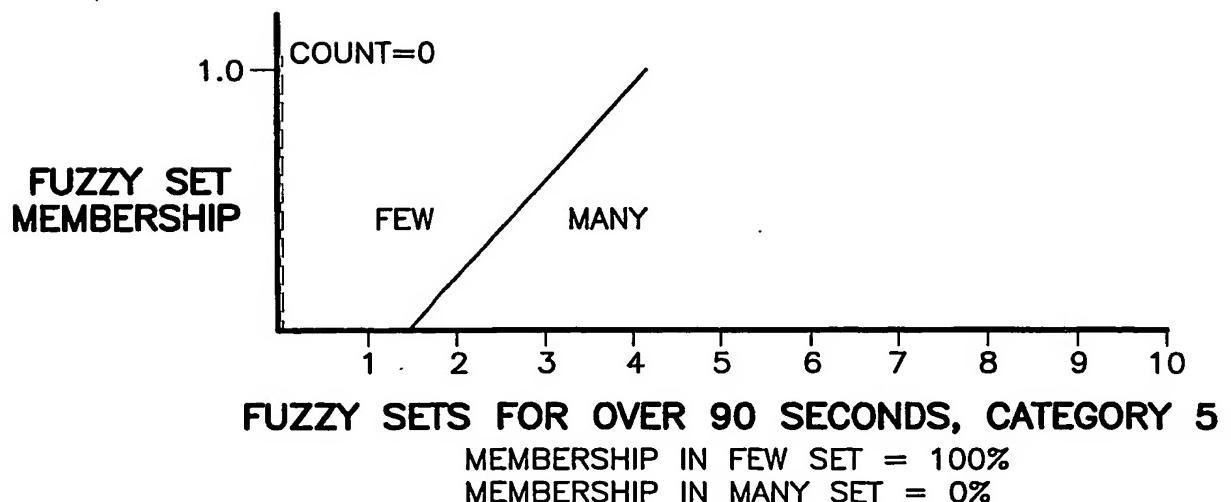


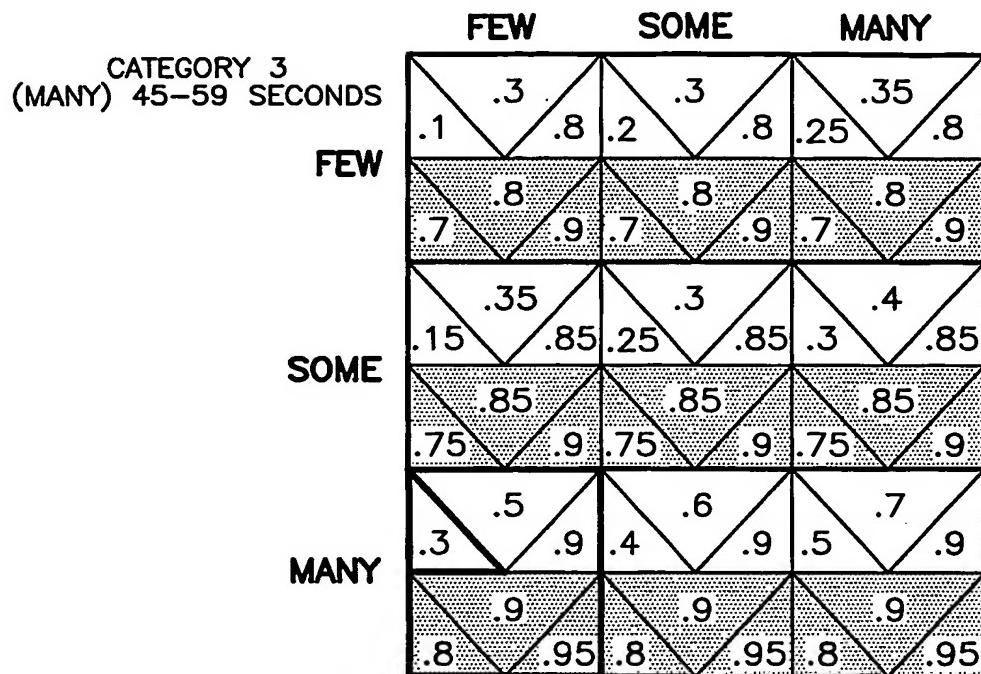
FIG.10



7/7

FIG.11

CATEGORY 2: 30–44 SECONDS (FEW)



## KEY:

CATEGORY 4 (FEW)  
60–89 SECONDSCATEGORY 5  
(FEW)  
OVER 90 FEW

OVER 90 MANY

